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### ABSTRACT OF THE DISCLOSURE

In the lamination of band-shaped uncured rubber materials to form a laminated rubber member having a given sectional shape by helically winding a band-shaped uncured rubber material extruded through an extruder on a rotating support, two or more rubber compositions indicating different moduli after the curing are used as a rubber material fed to the extruder, and a first rubber material is extruded through the extruder and helically wound on the support to form a first rubber layer, and the first rubber material and a second rubber material are continuously and simultaneously through the extruder so as to stepwise or gradually increase a blending ratio of the second rubber material to the first rubber material while holding the same extrusion sectional shape and helically wound on the first rubber layer while overlapping with at least a part of the first rubber layer to form a second rubber layer.